

Date Prepared: 6/1/98  
 Supersedes: All Previous  
 Product Name: Duraflow 250 (Part A-Resin)

## 1. Chemical Product and Company Information

**Product Name:** Duraflow 250 (Part A-Resin)

**ChemMasters**  
 300 Edwards Street  
 Madison, Ohio 44057  
 440-428-2105

In Case of Emergency Contact:  
 CHEMTREC 800/424-9300

## 2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits			% by Wt
		OSHA(PEL/TWA)	ACGIH (TLV/TWA)	OTHER	
Bisphenol-A Epoxy Resin	25068-38-6	—	—	—	<70%
Aliphatic Glycidal Ether	2461-15-6	—	—	—	25%

## 3. Hazards Identification

### CAUTION

**Causes eye irritation**  
**Causes skin irritation and/or allergic skin reaction**

### Potential Health Hazards - Acute

**Eye:** Irritant. May cause injury that persists for several days.  
**Skin:** Sensitizer — may cause allergic reaction which can be severe in certain individuals. Moderately irritating.  
**Inhalation:** Heating can generate vapors that may cause headaches, nausea, dizziness and respiratory irritation.  
**Ingestion:** Slightly toxic. See Section 11.

### Potential Health Effects - Chronic

<b>Carcinogenicity:</b>	<b>NTP</b>	<b>IARC Monographs</b>	<b>OSHA Regulated</b>
	NO	NO	NO

## 4. First Aid Measures

**Eye:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention.  
**Skin:** Flush immediately with plenty of water for at least 15 minutes while removing contaminated clothing.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Ingestion:** If appreciable quantities are swallowed, seek medical attention.

**SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.**

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## 5. Fire Fighting Measures

**Flash Point** (method used): >200°F (TCC)

**Flammable Limits** (% volume in air): **Lower** = No data available     **Upper** = No data available

**Auto Ignition Temperature:** No data available

**Extinguishing Media:** Dry chemicals, CO<sub>2</sub>, Halon, water spray or foam.

**Hazard Combustion Products:** Carbon dioxide and/or carbon monoxide.

**Fire Fighting Instructions:** Remove all ignition sources. Wear self contained breathing apparatus and complete personal protective equipment when entering confined areas where potential exposure to vapors or products of combustion exists.

## 6. Accidental Release Measures

**Spill:** Absorb with inert material, then place in chemical waste container for later disposal.

## 7. Handling and Storage

**Handling:** Use with adequate ventilation. Avoid contact with skin and eyes. Always use good industrial hygiene practices and safety guidelines when dealing with this potentially hazardous product.

**Storage:** Keep containers closed and store in a dry, well ventilated area.

## 8. Exposure Controls / Personal Protection

**Exposure Controls:** Mechanical exhaust should be used. A source of clean water should be available for flushing eyes and skin.

**Personal Protection:** Protective clothing, chemical splash goggles and rubber gloves.

## 9. Physical and Chemical Properties

**Appearance:** Clear liquid

**Odor:** Odorless

**Boiling Point:** No data available

**Melting Point:** Not applicable

**Vapor Pressure (mm/Hg):** No data available

**Vapor Density (Air = 1):** No data available

**Solubility in Water:** Negligible (<5%)

**Specific Gravity (H<sub>2</sub>O = 1):** 1.12

**Evaporation Rate (n-Butyl Acetate = 1):** Not applicable

## 10. Stability and Reactivity

**Chemical Stability:** Stable

**Conditions to Avoid:** Excessive heat

**Incompatibility** (materials to avoid): Contamination with strong acids, bases, amines and mercaptans.

**Hazardous Decomposition or By-products:** Thermal decomposition may yield carbon monoxide and/or dioxide.

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Bisphenol-A Epoxy Resin	7800 mg/kg	—	—

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## 12. Ecological Information

No data available

## 13. Disposal Considerations

Dispose of in accordance with all federal, state and local regulations. If uncertain of local regulations in your area, contact the proper environmental authorities for disposal.

This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

## 14. Transportation Information

**For U S National Shipments**

**Shipping Description:** Non regulated

**Emergency Response Guide Number:** Not applicable

**Hazard Class:** Not applicable

## 15. Regulatory Information

**OSHA:** This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200)

**CERCLA Reportable Quantity:** Not applicable

**SARA Title III:**

**Section 311/312 hazard categories:** acute health, delayed health

**Section 313 reportable ingredients:**

Components	CAS #	Maximum %
Not applicable		

## 16. Other Information

**MSDS Status:** New

Industrial Abbreviation Legend on page 4 of this MSDS.

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### Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m <sup>3</sup>	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

### **THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY**

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